



## Starflare

by Arya Akhavan (November 2012)

Angles for R.I. = 1.540

79 + 12 girdles = 91 facets

3-fold, mirror-image symmetry

96 index

L/W = 1.030 T/W = 0.383 U/W = 0.349

P/W = 0.353 C/W = 0.180

Vol./W<sup>3</sup> = 0.166

### PAVILION

P1	43.27°	02-30-34-62-66-94	Cut to centerpoint.
P2	42.00°	04-28-36-60-68-92	Meet at culet.
G1	90.00°	02-30-34-62-66-94	Set stone size.
G2	90.00°	04-28-36-60-68-92	Level girdle.
P3	41.71°	03-29-35-61-67-93	Meet P1, P2, G1, G2
P4	41.50°	01-31-33-63-65-95	Meet P1, G1
P5	41.00°	96-32-64	Meet P1, G1, P4; P3, P4

### CROWN

C1	50.97°	02-30-34-62-66-94	Set girdle width.
C2	48.00°	04-28-36-60-68-92	Level girdle.
C3	27.38°	16-48-80	Meet G2, C2
C4	47.00°	03-29-35-61-67-93	Meet G1, G2, C1, C2
C5	47.00°	96-32-64	Meet G1, C1
C6	40.52°	02-30-34-62-66-94	Meet C1, C4, C5
C7	41.38°	01-31-33-63-65-95	Meet C1, C4, C5, C6
C8	13.28°	13-19-45-51-77-83	Meet C2, C3, C4, C6
C9	12.29°	14-18-46-50-78-82	Meet C3, C8; C6, C7
C10	11.69°	16-48-80	Meet C3, C8, C9
T	0.00°	Table	Meet C6, C7, C8, C9

For some reason, I was in the mood for trillions, so I wrote three of them, each one written for a different size range. This one was intended for mid-range stones, hence the slightly complicated pavilion and crown. I like it in citrine, but can be cut in any material from quartz to rutile (RI = 1.54 - 2.62) with no changes.

Suggested size = 8-12 mm

C:\Program Files (x86)\GemCAD\Designs (Mine)\Works in Progress\Starflare.gem